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**ELECTRO-OPTICAL MODULATION AND OTHER OPTICAL APPLICATIONS USING  
POLED OPTICAL WHISPERING GALLERY MODE RESONATORS**

[0001] This application claims the benefit of U.S. Provisional

5 Application No. 60/444,432 entitled "ELECTRO-OPTICAL MODULATION  
WITH PERIODICALLY POLED WHISPERING GALLERY MODE CAVITIES" and  
filed on February 3, 2003.

[0002] This application further claims the benefit of U.S.

Patent Application No. 10/447,673, <sup>(pending)</sup> entitled "NONLINEAR OPTICAL

10 WHISPERING GALLERY MODE RESONATORS" and filed on May 28, 2003.

The U.S. Patent Application No. 10/447,673 itself claims the  
benefit from U.S. Provisional Application No. 60/383,869 filed  
on May 28, 2002.

[0003] The entire disclosures of the above referenced patent

15 applications are incorporated herein by reference as part of  
this application.

**Statement Regarding Federally Sponsored Research**

[0004] The devices, systems and techniques described herein were

20 made in the performance of work under a NASA contract, and are  
subject to the provisions of Public Law 96-517 (35 USC 202) in  
which the Contractor has elected to retain title.